

PERSONAL INFORMATION


Massimo Callegari



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CURRENT POSITION

Full professor of Machine Mechanics
(*Meccanica Applicata alle Macchine: SSD IIND-02/A, GSD 09/IIND-02*)

DEGREE

Laurea in Mechanical Engineering

WORK EXPERIENCE

- 2005 - present **Full professor at Polytechnic University of Marche**
Dept. Industrial Engineering & Mathematical Sciences, Ancona
- 1998 - 2005 **Associate professor at University of Ancona**
Dept. Mechanics, Ancona
- 1990 - 1998 **Researcher at University of Genova**
Dept. Mechanics, Genova
- 1986 - 1990 **System engineer & project manager**
Elsag S.p.A. (Genova) and SEIAF S.p.A. (Genova), Factory automation services

EDUCATION AND TRAINING

- 1992 **Certificate of Proficiency in English**
University of Cambridge
- 1986 **Laurea degree in "Mechanical Engineering"**
University of Genova
- 1979 **High school degree**
Liceo Scientifico "O. Grassi" of Savona

WORK ACTIVITIES

Research subjects Robotics; Mechatronics; Mechanical design; Human-machine Cooperation & Human-Centred Manufacturing; Automation; Artificial Intelligence

- Projects**
- 2019-pres.: Coordinator of the Marche node of the Competence Center Artes 4.0 network
 - 2023-2026: Coordinator of the local research unit of the PRIN22 project "DYNamic Assessment and Mitigation of the Impact of Collaborative Applications (DYNAMICA)" by the Ministry of Research and University
 - 2018-2022: Scientific coordinator of the HD3FLAB project on the introduction of Industry 4.0 technologies (9 million € budget)
 - 2006-2008: Coordinator of the Italian research project "Mini-robotic systems for advanced technology applications" by the the Ministry of Research and University
 - 2005-2009: Principal investigator of the Polytechnic University of Marche in LEAPFROG, integrated project of the 6th FP on the automation of apparel production
 - 1998-2005: Principal investigator of the European Networks of Excellence EURON and CLAWAR on robotics

- Research assessments**
- Expert evaluator of EC for the assessment of R&D projects and MCSCA actions (since VI FP to Horizon Europe)
 - Member of the Register of Experts in Technological Innovation of the Ministry of Enterprises and Made in Italy (MIMIT)
 - Member of the Register of Expert Peer-Reviewers for Italian Scientific Evaluation (REPRISE) by the Ministry of University and Research (MUR)
 - Reviewer of research projects for several Italian regions.

- Teaching and mentoring**
- Since 1995/96 classes of Machine Mechanics, Mechanical Design and Robotics at the Universities of Genova and Ancona.
 - Supervisor of more than 200 BSc. final degree projects or MSc. dissertations
 - Supervisor of 12 Ph.D. students and many post-doc grants
 - Member of the Board of Teachers of the Ph.D. program of national relevance “DRIM Ph.D. in Robotics and Intelligent Machines” delivered by the University of Genova
 - Coordinator of the masterclass in “Architectures, Processes and Technologies for the Digital Transition of Industry” (2021/22)
 - Chairman of the board of teachers of the Mechanical Engineering degrees at the Polytechnic University of Marche in Ancona (2010-18)
 - Member of the Scientific Committee of the Master Program “IMrob - International Master on Robotics” (University of Genova, Kaiserslautern and Madrid) and of the Steering Committee of the European Master in “Automotive Engineering” (University of Hertfordshire).

- Dissemination**
- President of the i-LABS Industry company, innovation infrastructure for the digital transition of SMEs (since 2022)
 - Member of the Board of Directors of the spin-off companies A.h.R.T.E. s.r.l. (2012-2017) and LE(A)D-ME s.r.l. (2018-2022)
 - Associate editor of the ASME Journal of Mechanical Design (2018-2022) and International Journal of Intelligent Mechatronics and Robotics (2010-13)
 - Guest Editor of Special issues for the “Journal of Intelligent and Robotic Systems” and “Robotics”
 - Organizer or Symposium Chair of international conferences (ASME/IEEE MESA; RAAD; IFToMM)

Publications Author or co-author of more than 200 publications and co-inventor of 2 national patents.

Bibliometric indicators (database Scopus)

Time span	documents	articles	citations	h-index
Since 2000	107	51	1.321	20

PERSONAL SKILLS

Mother tongue Italian

Other languages English (C2-University of Cambridge)

Job-related skills Good communication, organization and management skills

Digital skills Good knowledge of the main personal productivity tools, internet applications and Windows operating system. Fair knowledge of C and Matlab programming languages. General knowledge of CAD/CAE systems.

FURTHER INFORMATION

- Affiliations**
- Member of IFToMM Italy (International Federation for the Promotion of Mechanism and Machine Science)
 - Member of I-RIM, the Italian Institute for Robotics and Intelligent Machines

- Awards**
- Recipient of the Crossley Award by Elsevier for the article “A new class of reconfigurable parallel kinematic machines” in “Mechanism and Machine Theory” (2017)
 - Recipient of the “Highly Commended Paper” for the article “Manual guidance for industrial robot programming” in “Industrial Robot” (2016)
 - Recipient of several best paper awards in international conferences

University appointments and services

- Member of the National Committee for the assessment of university professors of Machine Mechanics (ASN settore concorsuale 09/A2) (2016-2018)
- Member of the Engineering Faculty Board of the Polytechnic University of Marche in Ancona (2012-2018)
- Deputy Director of the Department of Industrial Engineering and Mathematical Sciences at the Polytechnic University of Marche in Ancona (2012-2018)

Ancona, June 19th, 2025

Prof. Massimo Callegari